



## Amendments to the Specification:

2

3 Please amend the specification as follows:

4

5 Page 8 beginning with line 5

6 Figure 4 is a aerial photo of an example of an existing "T"  
7 or "TRUMPET" interchange of a four lane expressway with a two lane  
8 highway.

9 Figure 4A is a aerial photo of an example of an existing "T"  
10 or "TRUMPET" interchange of a four lane interstate highway with a  
11 two lane highway.

12 Figure 5 is a aerial photo of an example of an existing  
13 "crossing" or "DIAMOND" interchange of a four lane expressway with  
14 a two lane highway.

15

16 Figure 5A are examples of typical interchange designs that are  
17 currently utilized for the United States Highway Intersections.

18

19

20

21 Page 9 after line 8 please amend as follows:

22

23 Figure 14 is a line drawing of one version, "Design A", of the  
24 "Simplified "T" Interchange Design."

25

1   Figure 14x is a line drawing showing how "Design A" "Simplified "T"  
2   Interchange Design" can be transformed into a Trumpet "T"  
3   interchange.

4

5   Figure 14y is a line drawing showing how "Design A" "Simplified "T"  
6   Interchange Design" can be transformed into a Diamond interchange.

7

8

9   Figure 15 is a line drawing of an alternate, "Design B", version  
10   of the "Simplified "T" Interchange Design."

11

12   Figure 15x is a line drawing showing how "Design B" "Simplified "T"  
13   Interchange Design" can be transformed into a Trumpet "T"  
14   interchange.

15

16   Figure 15y is a line drawing showing how "Design B" "Simplified "T"  
17   Interchange Design" can be transformed into a Diamond interchange.

18

19

20   Pages 15 beginning with line 15 amend the paragraph as follows:

21

22       Figure 4 is a aerial photo of an example of an existing "T"  
23   or "TRUMPET" interchange shown generally at 57 of a four lane  
24   expressway with a two lane highway. This interchange is built in

1 Iron County Wisconsin where Highway U.S. 2 intersects Wisconsin  
2 Highway 51. The interchange includes a divided four lane expressway  
3 58 which passes under a bridge or overpass 60. The bridge 60  
4 enables the two lane highway 62 to pass over all four lanes of the  
5 divided expressway 58. Transition ramp 64 enables vehicles exiting  
6 the expressway side 66 to make a smooth transition through the "T"  
7 or "TRUMPET" interchange when making a right turn onto the two lane  
8 highway 62.

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11 Pages 16 and 17 beginning with line 20 amend the paragraph as  
12 follows:

13

14 Figure 4A is a aerial photo of an example of an existing "T"  
15 or "TRUMPET" interchange shown generally at 57 of a four lane  
16 interstate highway with a two lane highway. This interchange is  
17 built in Wisconsin, east of Hudson, Wisconsin, where Highway U.S.  
18 35  $\frac{1}{2}$  intersects Interstate Highway 94 90. Note that two short  
19 bridges are used on the interstate lanes and the two lane highway  
20 passes under the bridges and the interstate lanes.

21

22

23 Page 17 beginning with line 2 amend the paragraph as follows:

24

1   Figure 5 is a aerial photo of an example of an existing "crossing"  
2   or "DIAMOND" interchange shown generally at 77 of a four lane  
3   expressway or freeway with a two lane highway. This interchange is  
4   built in Douglas county Wisconsin is similar to interstate freeway  
5   design. The divided expressway 78 is U.S. Highway 2 and the two  
6   lane highway 79 is Wisconsin Highway 13.

7

8

9   Page 18 after line 19 add the following:

10

11   Figure 5A are examples of typical interchange designs that are  
12   utilized for United States Highway Intersections. These line  
13   drawings are transposed from a current issue of the United States  
14   Federal Highway Administration Publication: Safety Effectiveness of  
15   Highway Design Features - Volume IV - Interchanges. The designs  
16   include: a Diamond Interchange, a Trumpet Interchange, a Cloverleaf  
17   Interchange, a Cloverleaf with Collector-Distributor Interchange,  
18   a Direct Connection Interchange, a Buttonhook Interchange, a  
19   Scissor Interchange, and a Left Side Interchange.

20

21   Page 27 after line 1 please amend as follows:

22

23   Figure 14 is a line drawing of one version , "Design A", of the  
24   "Simplified "T" Interchange Design." This line drawing is

1 substantially the same design that is shown in Figures 8 and 9.

2

3 Figure 14x is a line drawing showing how "Design A" "Simplified "T"  
4 Interchange Design" can be transformed into a Trumpet "T"  
5 interchange by adding a second bridge and changing the "ON" and  
6 "Off" ramps.

7

8 Figure 14y is a line drawing showing how "Design A" "Simplified "T"  
9 Interchange Design" can be transformed into a Diamond interchange  
10 by adding a second bridge and changing the "ON" and "Off" ramps.

11

12 Figure 15 is a line drawing of an alternate version, "Design B",  
13 of the "Simplified "T" Interchange Design." This line drawing is  
14 substantially the same design that is shown in Figures 10, 11, 12  
15 and 13.

16

17 Figure 15x is a line drawing showing how "Design B" "Simplified "T"  
18 Interchange Design" can be transformed into a Trumpet "T"  
19 interchange by adding a second bridge and changing the "ON" and  
20 "Off" ramps.

21

22 Figure 15y is a line drawing showing how "Design B" "Simplified "T"  
23 Interchange Design" can be transformed into a Diamond interchange  
24 by adding a second bridge and changing the "ON" and "Off" ramps.